

Fall 2018

# PHEN 601 - Principles of Pharmaceutical Engineering

Marc Bernhardt

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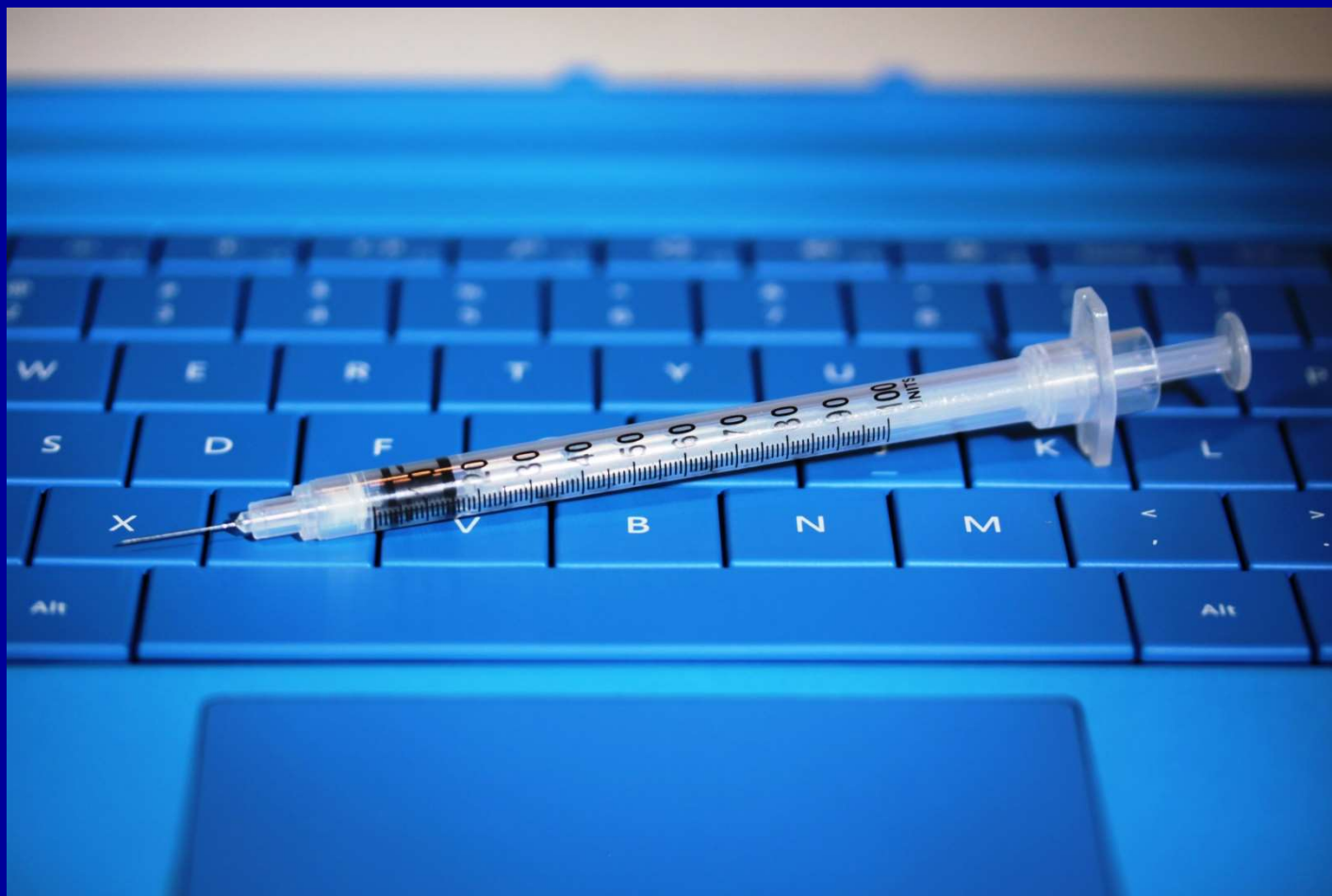
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# PhEn-601

## NOTES 0

### SYLLABUS & POLICIES

Marc Bernhardt



Marc Bernhardt  
[MJB27@NJIT.EDU](mailto:MJB27@NJIT.EDU)  
201.847.6310

# FULL DISCLOSURE



**THE OPINIONS EXPRESSED BY ME ARE NOT  
NECESSARILY THE OPINIONS OF THESE  
ORGANIZATIONS.**

# IMPORTANT SLIDE

THE COURSE NOTES ARE  
AVAILABLE AT NJIT'S MOODLE 2  
WEBSITE:

<http://njit2.mrooms.net/>

***Check the NJIT Calendar !***

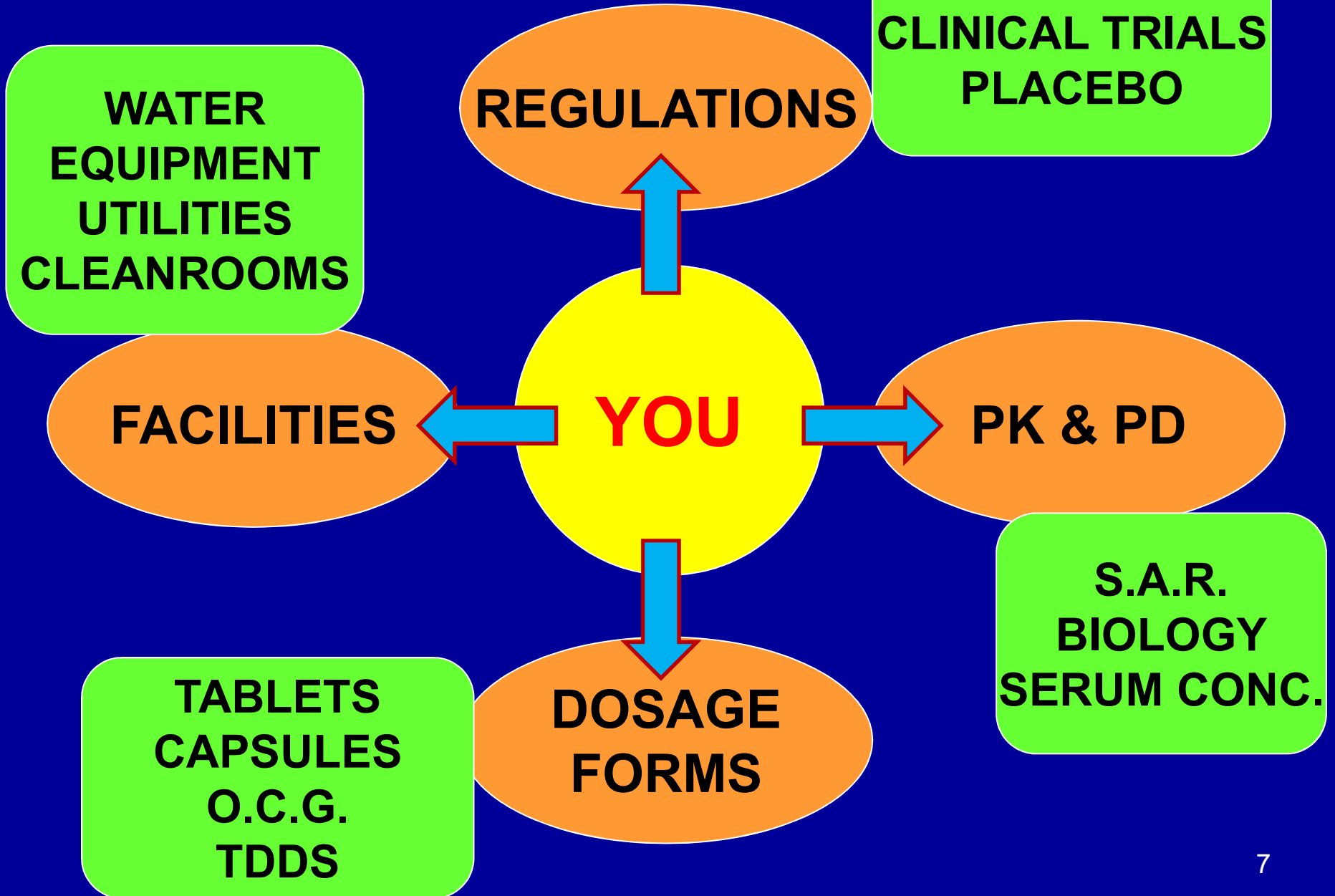
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# PhEn 601

# **VALUE PROPOSITION**

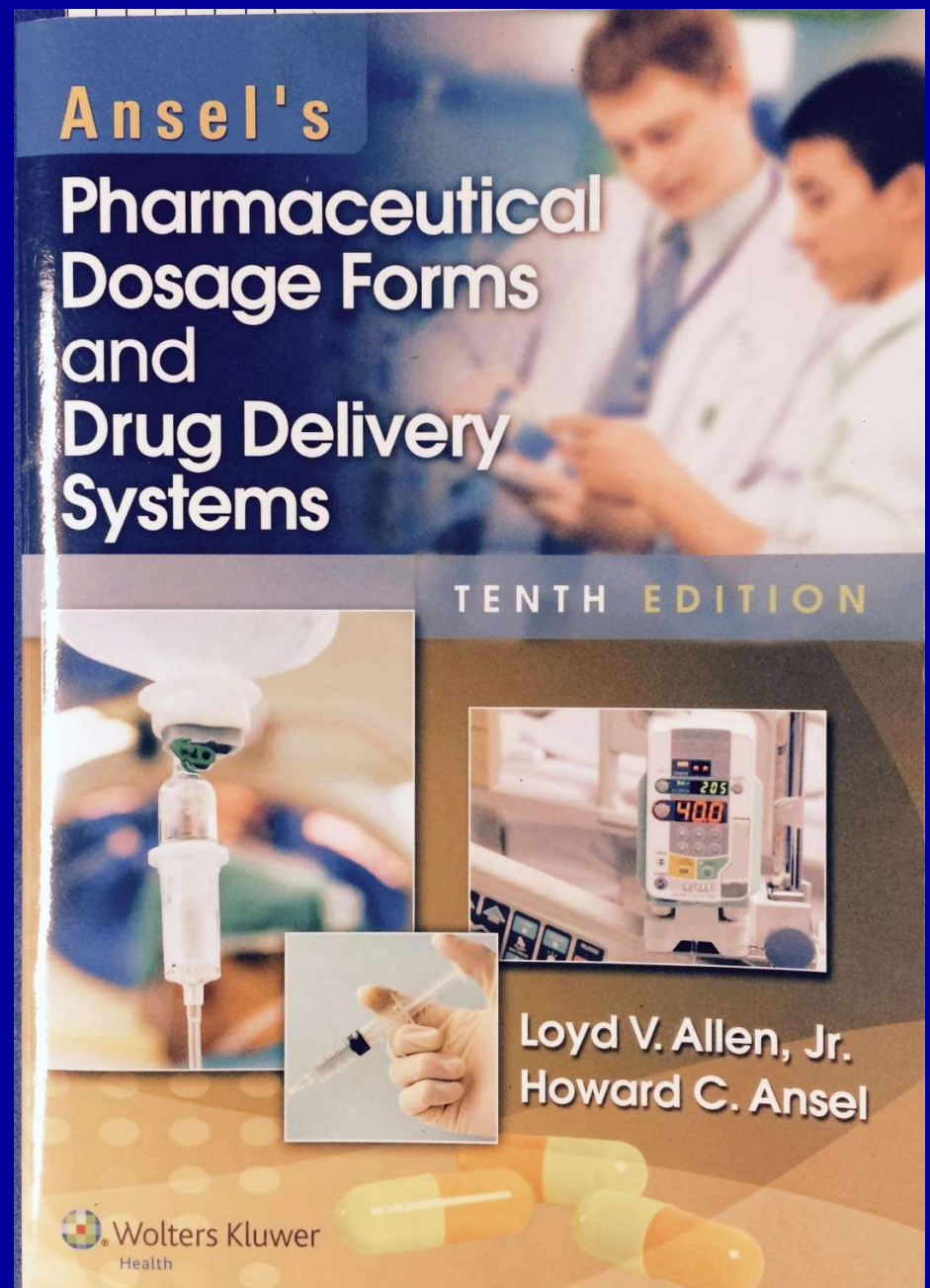
<https://www.youtube.com/watch?v=rzLQfUngldk>

# YOU and PhEn 601





**THE TEXTBOOK:  
READ IT**  
The 10<sup>th</sup> edition.



# MAINTAIN A WW PERSPECTIVE



ALWAYS REMEMBER **THE PATIENT**



# HOUSEKEEPING

I WILL USE YOUR  
**@NJIT.EDU**  
EMAIL ADDRESS

**30 MINUTE POLICY FOR INSTRUCTOR  
ABSENCE IN NEWARK OR ONLINE.**

# ATTENDANCE

ATTENDANCE IS AT YOUR DISCRETION,  
WHETHER  
IN NEWARK OR DISTANCE LEARNING.

CLASS PARTICIPATION MIGHT HELP WITH  
BORDERLINE GRADES

NOTES & LECTURES COVER MATERIAL  
THAT IS **NOT IN THE TEXTBOOK**

YOU ARE A GROWN-UP.

# ATTENDANCE

BECAUSE THE WORLD IS CHANGING....

- TELEPRESENCE
- MOODLE RECORDINGS
- WEBEX PRESENTATIONS
- PREFERENCE FOR ONLINE vs IN CLASS

# GRADE CALCULATION

- Quiz 1 15%
- Midterm exam 35%
- Quiz 2 15%
- Final exam 35%





# QUIZ AND EXAMS

- THE QUIZZES AND EXAMS WILL OCCUR IN THE CLASSROOM OR ONLINE. MONITOR YOUR EMAIL AND MOODLE FOR UPDATES.
- QUIZZES MAY BE REPLACED BY HOMEWORK AT THE INSTRUCTOR'S DISCRETION.
- EXCEPTIONS WILL BE CONSIDERED.



# EXAMS & QUIZZES

- EXAMS ARE 3 HOURS, MAXIMUM.
- QUIZZES ARE 90 MINUTES, MAXIMUM
- BOTH ARE **CUMULATIVE**
- CLOSED BOOK
  - No books
  - No computers\*
  - No telephones
  - No notes



# MAKE-UP EXAMS & QUIZ

- VERY UNDESIRABLE
- TIME-CONSUMING
- LOGISTICALLY COMPLEX
- PRE-APPROVAL IS REQUIRED

# ABOUT “D” AND “F”

“D” IS NOT ASSIGNED IN  
GRADUATE COURSES

## **Important Notes:**

- The average of the midterm and the final exam grades must be  $>70\%$  in order to receive a passing grade for the course.
- If a student fails either the midterm or the final exam, the student will likely fail the course.

# CHEATING

- **ACADEMIC HONESTY AND INTEGRITY ARE PARAMOUNT AT NJIT.**
- **THE NJIT HONOR CODE WILL BE UPHELD.**
- **ALL VIOLATIONS WILL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE DEAN OF STUDENTS.**



# CHEATING

- **DON'T DO IT.**
- **DON'T COPY.**
- **DON'T PLAGIARIZE.**
- **TURNITIN.com WILL BE USED.**



Photo: [letsgotribe.mlblogs.com](http://letsgotribe.mlblogs.com)<sup>20</sup>

# SYLLABUS

TENTATIVE  
SYLLABUS.

CHANGES MAY  
OCCUR AND WILL  
BE ANNOUNCED  
IN CLASS OR VIA  
MOODLE



# SYLLABUS

Course Week	Calendar Week	Topics	Ansel Chapter(s)
1	Sep. 9	Product Classification, Terminology, Snake Oil, History	1
2	Sep. 16	Drug Development Clinical Trials Placebo	2
3	Sep. 23	Receptors FDA, cGMP Controlled Substances	3
4	Sep. 30	Packaging, Labeling, Advertising Goal Drug, ADME Drug Discovery, Drug Names	4, 5

# SYLLABUS

Course Week	Calendar Week	Topics	Ansel Chapter(s)
5	Oct. 7	Quality Assurance Focus on a Disease	5
6	Oct. 14	Dosage Forms & Physics Stability, Absorption Clearance, Solid Dosage Forms	6, 7, 8, 9
7	Oct. 21	Ointment, Creams, Gels TDDS, Pharma MARCH 12 → NO CLASS SPRING BREAK	10, 11
8	Oct. 29	<b>***MIDTERM EXAM IN NEWARK***</b> The exact location will be announced in Moodle.	



# SYLLABUS

Course Week	Calendar Week	Topics	Ansel Chapter(s)
9	Nov. 4	Sanitary design, Water purification, Reverse Osmosis, Distillation	None
10	Nov. 11	Suppositories & Solutions	12, 13
11	Nov. 18	Validation Disperse Systems	14
12	Nov. 25	Parenteral, Biologicals, Risk	15, 16

# SYLLABUS

Course Week	Calendar Week	Topics	Ansel Chapter(s)
13	Dec. 2	Facility design, Ophthalmics, Radiopharmacy, Biotechnology, Novel delivery	17 18 19 20
14	Dec. 17	***FINAL EXAM IN NEWARK*** The exact location will be announced.	